

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 October 2003 (23.10.2003)

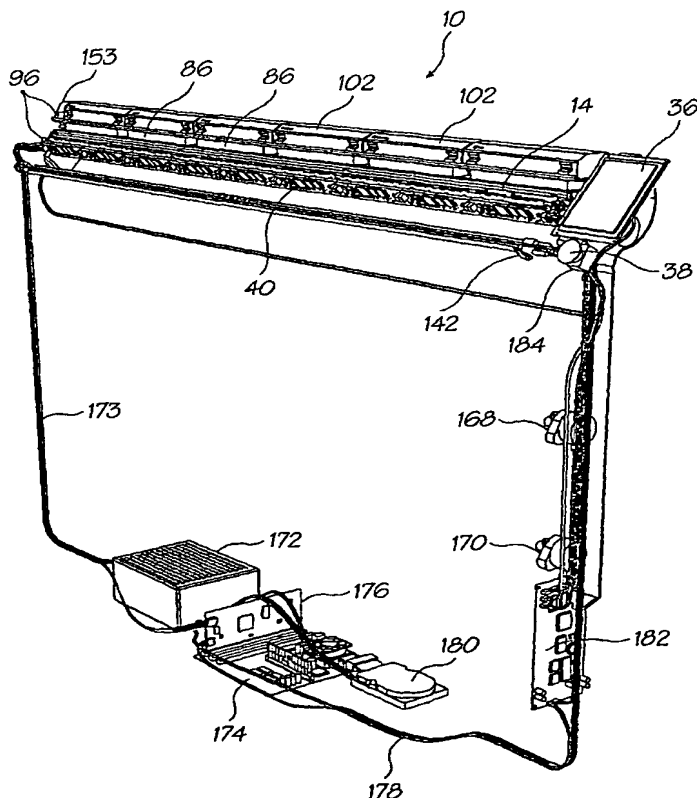
PCT

(10) International Publication Number  
**WO 03/086770 A1**

- (51) International Patent Classification<sup>7</sup>: **B41J 2/175**, B81B 7/02, 7/04
- (21) International Application Number: PCT/AU02/00764
- (22) International Filing Date: 13 June 2002 (13.06.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/120,430 12 April 2002 (12.04.2002) US
- (71) Applicant (for all designated States except US): **SILVERBROOK RESEARCH PTY. LTD.** [AU/AU]; 393 Darling Street, Balmain, New South Wales 2041 (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **SILVERBROOK, KIA** [AU/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU).
- (74) Agent: **SILVERBROOK, KIA**; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: HIGH VOLUME PAGEWIDTH PRINTING



(57) Abstract: A print assembly (14) for pagewidth inkjet printing that includes an elongate carrier that is mountable on a support structure (12) of a printer (10) in an operative position with respect to a platen (106, 108) of the printer. A number of printhead chips (186) are positioned on the carrier. The print head chips together define a print head that is configured to eject at least one billion drops per second into a printing zone defined between the print head and the platen of the printer. Control circuitry is also positioned on the carrier and is configured to control operation of the print head chips.

WO 03/086770 A1

03/086770 A1



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*